

REMARKS

Claims 1, 2 and 10-14, as amended, remain herein. Claims 3-9 remain herein but are presently withdrawn from consideration.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached pages are captioned "Version with Markings to Show Changes Made."

Claims 1-8 and 10-14 have been amended to be directed to a man-machine interface for an electronic trip device, so that all claims 1-14 recite elements classified in the same class 345, subclass 810, associated with graphics display art.

Claim 1 has been amended to recite a man-machine interface for an electronic trip device, comprising (1) an interface and (2) a processing unit connected to the interface. Minor changes to claims 2-8 and 10-14 have been made, corresponding to the changes in claim 1.

1. In response to the restriction requirement stated in the Office Action mailed February 26, 2003, applicants hereby provisionally elect Group I, claims 1, 2 and 10-14, with traverse.

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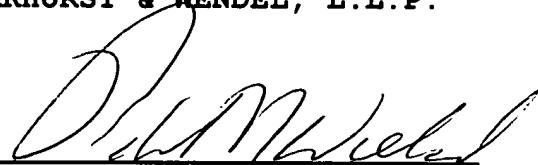
Applicants respectfully traverse the Restriction Requirement since the subject matter of all claims 1-14, as presently amended to recite elements classified in the same class, is sufficiently related that a thorough and complete search for the subject matter of the elected claims should necessarily encompass a thorough and complete search for the subject matter of the non-elected claims. Search and examination of the entire application could be made without serious burden. See MPEP §803 which states: "If the search and examination of an entire application can be made without serious burden, the Examiner must examine it on the merits." This policy should apply in the present application to avoid unnecessary delay and expense to applicant and unnecessary duplicative examination by the USPTO.

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Should the Examiner deem that any further action by the applicants would be desirable to place this application in even better condition for issue, the Examiner is requested to telephone applicants' undersigned representatives.

Respectfully submitted,

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Date

RWP:RNW/mhs

Attachments: Version with Markings
to Show Changes Made

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CLAIMS

1. (Twice Amended) A man-machine interface for an electronic trip device comprising:

~~a processing unit having inputs for receiving electrical signals representative of electrical quantities and an output for supplying a tripping signal to a tripping relay, and~~

~~a man-machine an interface connected to the processing unit for supplying setting parameters, each having a respective value, and for displaying information and tripping curves on a screen, said setting parameters for modifying during a setting operation a visual aspect of at least one portion of a curve representative of a parameter whose setting is being adjusted, wherein~~

~~said man-machine interface comprises means for displaying setting parameters; and~~

a processing unit connected to the interface, said processing unit having inputs for receiving electrical signals representative of electrical quantities and an output for supplying a tripping signal to a tripping relay.

2. (Twice Amended) The man-machine interface trip device according to claim 1, wherein the display means for displaying setting parameters is for modifying the visual aspect of at least one portion of a curve by increasing the thickness of said at least one portion of such a curve

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representative of a parameter whose setting is being adjusted.

3. (Twice Amended) The man-machine interface trip device according to claim 1, wherein the means for displaying setting parameters is for highlighting at least one item of information displayed on the screen representative of a parameter whose setting is being adjusted.
4. (Twice Amended) The man-machine interface trip device according to claim 1, wherein the means for displaying setting parameters is for changing at least a color of text or background of at least one item of information displayed on the screen representative of a parameter whose value is being modified.
5. (Twice Amended) The man-machine interface trip device according to claim 1, wherein the man-machine interface comprises display means for displaying a scrollable menu for framing at least one item of information to be selected in a selection phase.
6. (Twice Amended) The man-machine interface trip device according to claim 5, wherein the display means is for highlighting in a scrollable menu one item of information in a top-most position, one item of information in a bottom-most

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position, and items of information in respective intermediate position between a top-most positions and a bottom-most position.

7. (Twice Amended) The man-machine interface trip device according to claim 1, wherein the man-machine interface comprises selection means comprising function buttons associated with indicator lights to indicate a function selected by a button.

8. (Twice Amended) The man-machine interface trip device according to claim 7, wherein the function buttons comprise at least a first button for selecting a measurement function, at least a second button for selecting a maintenance function, and a third button for selecting a setting function.

9. A process for setting parameters of a trip device comprising:
activating a setting function selection button,
displaying a list of protection curves,
activating at least one shift button in a scrollable menu,
activating a validate button to select a curve whose parameters are to be set,
displaying a selected curve and corresponding setting parameters,
displaying a portion of the selected curve and a

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corresponding parameter with a frame,
activating at least one shift button to change the portion of
a curve and a corresponding parameter,
activating a validate button to switch to a parameter value
modification mode,
activating a shift button to change parameter values, and
activating at least one validate button to quit a
modification mode.

10. (Amended) The man-machine interface trip device according to
claim 1, wherein the man-machine interface is connected by
communication means to the processing unit.

11. (Twice Amended) The man-machine interface trip device
according to claim 10, wherein the communication means is for
communicating according to an Internet type protocol.

12. (Twice Amended) The man-machine interface trip device
according to claim 1, wherein the man-machine interface is
represented on a screen for displaying information and
tripping curves and for determining setting parameters.

13. (Amended) The man-machine interface trip device according to
claim 12, wherein setting parameters are determined by soft
keys represented on a screen of the man-machine interface.

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14. (Twice Amended) A man-machine interface trip device according to claim 1, in combination with a circuit breaker comprising main contacts connected in series with power conductors, current sensors located on said conductors, and a tripping relay for receiving a tripping signal to bring about opening of said contacts, wherein the man-machine interface trip device is connected to said current sensors and to said tripping relay.